

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 885	5B-1	HARDIN	50	24
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		34 SHEETS
				98648

Illinois Department of Transportation
Division of Highways
District Nine Materials

SOIL BORING LOG

Page 1 of 4
Date 6/7/00

ROUTE FAP 885 DESCRIPTION FAP 885 (IL Rte 146) over Big Creek LOGGED BY Bryan Keller
SECTION 5B-1 LOCATION SE 14, SW 14, NW 14, SEC. 27, TWP. 12S, RNG. 8E, 3 PM
COUNTY Hardin DRILLING METHOD HAMMER TYPE

STRUCT. NO. 035-0010 Station 280+80.00	D E P T W H S	B L O S I S T	U C S I S T	M O I S T	Surface Water Elev. 323.3 ft Stream Bed Elev. ft Groundwater Elev.: First Encounter 334.1 ft Upon Completion 320.6 ft After Hrs. ft	D E P T W H S	B L O S I S T	U C S I S T	M O I S T
BORING NO. 2-S Station 282+89 Offset 9.00ft Lt. Ground Surface Elev. 363.6 ft	(ft)	(6")	(tsf)	(%)	(ft)	(6")	(tsf)	(%)	(%)
Bituminous Pavement over Concrete									
362.1									
Stiff, moist, brown, Silty Clay A-6									
359.1									
Medium, moist, brown, Silty Clay A-6									
356.6									
Medium, very moist, brown mottled grey, Silty Clay A-6									
351.6									
Soft to medium, very moist, brown mottled grey, Clay to Silty Clay A7-6									
349.1									
Medium to stiff, moist, brown mottled grey, Clay A7-6									
346.6									
Stiff to very stiff, moist, brown mottled grey, Clay A7-6									
324.1									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

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Medium, very moist, grey, Silty Clay A-6 (continued)									
319.1									
Soft to medium, moist to v moist, grey, Silty Clay A-6									
314.1									
Soft, very moist to wet, grey, Silty Loam A-4									
309.1									
Soft, very moist, grey, Silty Clay Loam A-4 with Silt seams									
304.1									

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Medium, very moist, grey, Silty Loam A-4 (continued)									
274.1									
Medium, very moist, grey, Silty Clay Loam A-4									
264.1									
Soft, wet, grey, Silty Loam A-4									
264.1									

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Stiff, moist, grey, Clay A7-6 with Silt seams (continued)									
234.1									
Very dense, dry, grey, Limestone									
219.1									
Very dense, dry, grey, Limestone									
214.1									
Bottom of hole = 149.5 feet									
Free water observed at 29.5 feet									
Elevation referenced to plans									
To convert "N" values to "N60", multiply by 1.25									
227.1									
Coarse Sand and Gravel									
224.1									

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DESIGNED	T.L.K.
CHECKED	
DRAWN	BECKY M. CURRY
CHECKED	

EXAMINED *Thomas J. Damagala*
ENGINEER OF BRIDGE DESIGN
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

BORING LOGS
F.A.P. ROUTE 885 - SECTION 5B-1
HARDIN COUNTY
STATION 280+80.00
STRUCTURE NO. 035-0014